

In the Claims:

1 (currently amended): A control system for ~~controlling a plurality of devices in a subsea installation (1), said devices being connected to at least one common bus,~~ the control system comprising:

a control module (14),

a common bus which is connected to the control module; and

a plurality of devices which are each removably connectable to the common bus;

wherein each device ~~comprising~~ comprises a bus controller having a unique address ~~and means for communicating with the control module (14);~~ and

wherein the control module comprises means for communicating with each device over the common bus.

~~each device being removably connected to the common bus.~~

2 (currently amended): A control system according to claim 1, wherein the common bus comprises at least one modular cable unit.

3 (currently amended): A control system according to claim 2, wherein the cable unit comprises a cable (40) having at least one electrical connector (44) at each end.

4 (currently amended): A control system according to claim 2, wherein the ~~cable unit~~ common bus further comprises a at least one distribution hub (50, 54, 58) ~~having at least two electrical connectors (45)~~ which is removably connectable to the cable unit.

5 (currently amended): A control system according to claim 2, wherein the ~~cable unit~~ common bus further comprises an end termination ~~(42, 90a)~~ which is removably connectable to the cable unit.

6 (currently amended): A control system according to claim 2, wherein the ~~cable unit~~ common bus further comprises a repeater ~~(55)~~ which is removably connectable to the cable unit.

7 (canceled).

8 (currently amended): A control system according to claim 3, wherein said at least one electrical connector is ~~connected~~ removably connectable to at least one of said plurality of devices.

9 (currently amended): A control system according to claim 1, wherein the common bus comprises a CAN bus.

10 (currently amended): A control system according to claim 1, wherein at least one of said plurality of devices comprises a battery ~~(36)~~.

11 (currently amended): A control system according to claim 1, wherein at least one of said plurality of devices comprises an electro-hydraulic pod ~~(80)~~.

12 (currently amended): A control system according to claim 1, wherein at least one of said plurality of devices comprises an actuator ~~(13)~~.

13 (currently amended): A control system according to claim 1, wherein at least one of said plurality of devices comprises a sensor ~~(62)~~.

14 (currently amended): A control system according to claim 2, wherein said cable unit ~~further~~ comprises a ~~central~~ junction ~~(93)~~.

15 (currently amended): A control system according to claim 14, wherein

said cable unit further comprises at least one electrical connector ~~(90a, 90b...90n)~~ and at least two control signal supply cables ~~(94, 98, 102)~~ extending between said ~~central~~ junction ~~(93)~~ and said electrical connector.

16 (original): A control system according to claim 15, wherein said at least two control signal supply cables are electrically joined at said electrical connector.

17 (currently amended): A control system according to claim 14, wherein said cable unit further comprises at least one electrical connector and at least two control signal return cables ~~(96, 100, 102)~~ extending between said ~~central~~ junction ~~(93)~~ and said electrical connector.

18 (currently amended): A control system according to claim 15, wherein said cable unit further comprises a signal component ~~(108)~~.

19 (currently amended): A control system according to claim 14, wherein said cable unit further comprises at least one electrical connector and at least two control signal cables, each of ~~said control signal cables comprising~~ which comprises a current loop which is routed through each said electrical connector and ~~through~~ said central junction.

20 (currently amended): A control system according to claim 3, wherein at least one electrical connector comprises a female connector ~~(45)~~.

21 (currently amended): A control system according to claim 3, wherein at least one electrical connector comprises a male connector ~~(44)~~.

22 (currently amended): A control system according to claim 3, wherein at least one electrical connector comprises a signal termination component ~~(118)~~.